

COMPOSITION FOR TABLET AND MAKING TABLET

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Abstract

PROBLEM TO BE SOLVED: To obtain a composition for a tablet capable of preventing an adhesion of a physiologically active ingredient to a pestle, which is an impediment to production of the tablet when producing the tablet, by blending crystalline powder having a particle diameter within a specific range with a system containing the physiologically active ingredient having a low melting temperature.

SOLUTION: This composition for a tablet is obtained by blending a physiologically active ingredient such as aspirin, ethenzamide and alclofenac having 70-150 deg.C melting point with a crystalline powder having 1-100 μ m average particle diameter (most preferably 1-20 μ m). Lactose, mannitol, sorbitol, silicic anhydride, hydrogen calcium phosphate, other monosaccharides, polysaccharide, etc., are used as the crystalline powder and especially saccharides (including sugar alcohols) are preferable. The blending rate of the crystalline powder based on the weight of the total tablet is 0.5-90wt.%, most preferably 5-30wt.%. A pestle of a tablet-making machine is prevented from being adhered by the physiologically active ingredient having the low melting temperature and is capable of stably and continuously making the tablet for a long period.

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